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# TRANSMITTAL FORM

Application Serial Number	09/822,045
Filing Date	March 30, 2001
First Named Inventor	Sousa
Group Art Unit	2828
Examiner Name	Cornelius H. Jackson
Attorney Docket No.	PTK-194
Patent No.	Not applicable
Issue Date	Not applicable

## ENCLOSURES (check all that apply)

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Check Attached <input type="checkbox"/> Copy of Fee Transmittal Form <input checked="" type="checkbox"/> Amendment/Response <input type="checkbox"/> Preliminary <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Letter to Official Draftsperson including Drawings [Total Sheets ____] <input type="checkbox"/> Petition for Extension of Time <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Form PTO-1449 <input type="checkbox"/> Copies of IDS Citations <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Sequence Listing submission <input type="checkbox"/> Paper Copy/CD <input type="checkbox"/> Computer Readable Copy <input type="checkbox"/> Statement verifying identity of above	<input type="checkbox"/> Copy of Notice to File Missing Parts of Application <input type="checkbox"/> Formal Drawing(s) <input type="checkbox"/> Request For Continued Examination (RCE) Transmittal <input type="checkbox"/> Power of Attorney (Revocation of Prior Powers) <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Executed Declaration and Power of Attorney for Utility or Design Patent Application <input type="checkbox"/> Small Entity Statement <input type="checkbox"/> CD(s) for large table or computer program <input type="checkbox"/> Amendment After Allowance <input type="checkbox"/> Request for Certificate of Correction <input type="checkbox"/> Certificate of Correction (in duplicate)	<input type="checkbox"/> Notice of Appeal to Board of Patent Appeals and Interferences <input type="checkbox"/> Appeal Brief (in triplicate) <input type="checkbox"/> Status Inquiry <input checked="" type="checkbox"/> Return Receipt Postcard <input type="checkbox"/> Certificate of First Class Mailing under 37 C.F.R. 1.8 <input type="checkbox"/> Certificate of Facsimile Transmission under 37 C.F.R. 1.8 <input type="checkbox"/> Additional Enclosure(s) (please identify below)
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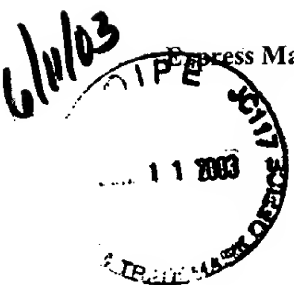
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PATENT  
Attorney Docket No. PTK-194

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS: Sousa and Stoltz  
SERIAL NO.: 09/822,045 GROUP NO.: 2828  
FILING DATE: March 30, 2001 EXAMINER: Cornelius H. Jackson  
TITLE: Mode-Limiting Diode Laser Structure

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

AMENDMENT AND RESPONSE

This paper is submitted in response to the Office action mailed from the Patent Office on March 13, 2003. Applicants respectfully request that the remarks that follow be considered and that the rejections made in the Office action be withdrawn. Applicants believe that no fees are due. Should Applicants be in error, and additional time for responding to this Office action is required, please consider this paper as a conditional petition for an extension of time and conditional authorization to charge fees to Deposit Account No. 20-0531.

AMENDMENT

In the Claims

Claims 1-8 are currently in prosecution. Please amend claim 1 as follows (a marked-up version of the amended claim is attached at the end of this Amendment and Response):

1. (TWICE AMENDED) A diode laser comprising:
  - a. a plurality of semiconductor layers including a top layer, a bottom layer, and an intermediate emission layer, the top layer including a ridge formed on a top surface thereof and extending to a first edge of the top layer, the layers each having a refractive index associated therewith, the refractive index of the emission layer differing from the refractive indices of the top and bottom layers;

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